

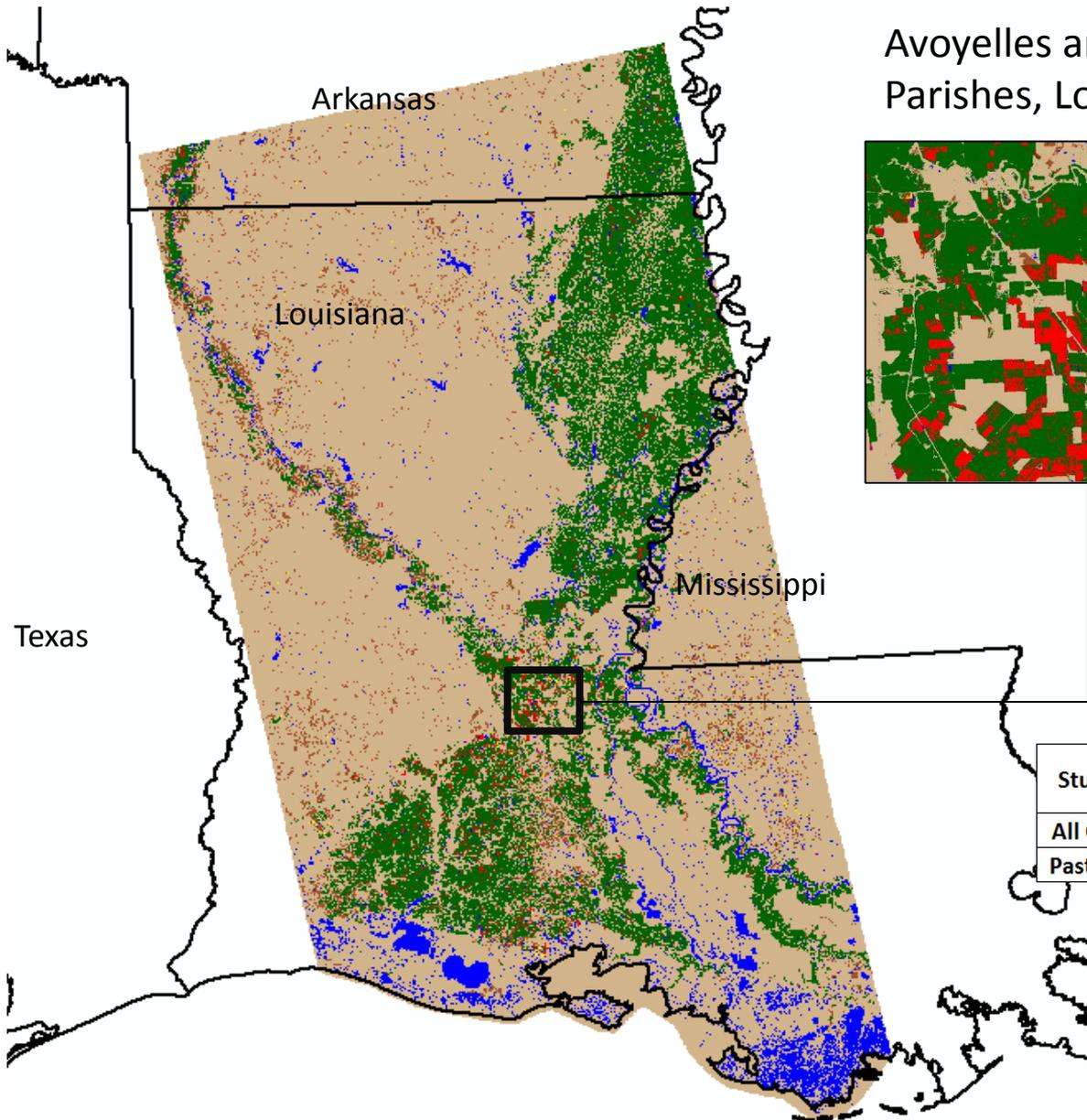
Tropical Storm Barry NASS Flood Assessment

Incident Overview

- **Event Dates:** July 12 - 15, 2019
- **Areas Affected:** Louisiana, Eastern Arkansas, Western Tennessee, Southeast Missouri and Northwest Mississippi, United States
- **Major Crops in the Study Area:** Soybeans, Corn, Rice, Cotton, Winter Wheat, Double Crop Winter Wheat/Soybeans, Sorghum, Oats and Peanuts
- **Pre-Flood Imagery Acquisitions:** July 4, 2019
- **Post-Flood Imagery Acquisitions:** July 16, 2019

Study Area

Avoyelles and St. Landry Parishes, Louisiana



Classification



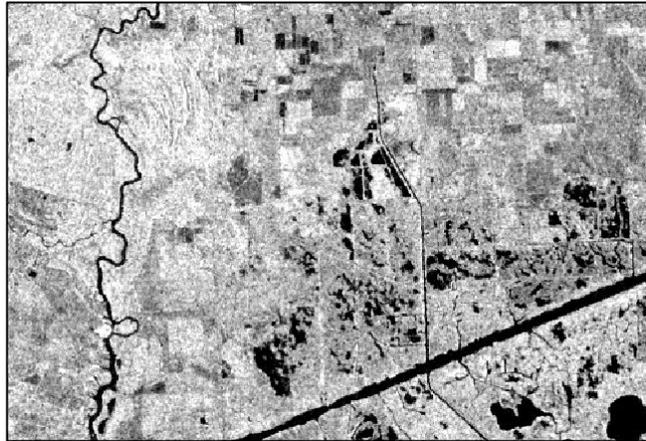
Study Area	Total Acres	Inundated Acres	Percent Inundated
All Cropland	5,073,425	186,931	3.68%
Pasture/Hay	1,170,420	28,327	2.42%

Total Acres in Study Area (mostly Louisiana and small portions of Arkansas and Mississippi): 28,320,590 acres

NASS 2019 Inundation Layer created using Sentinel-1A Synthetic Aperture Radar data acquired on July 4, 2019 and July 16, 2019. Crop information is based on the USDA NASS 2018 Cultivated Layer (planted acres) and the 2018 Cropland Data Layer (planted acres) and are not official NASS estimates.

Example: Vermilion Parish, Louisiana

Pre-Flood: 7/04/19

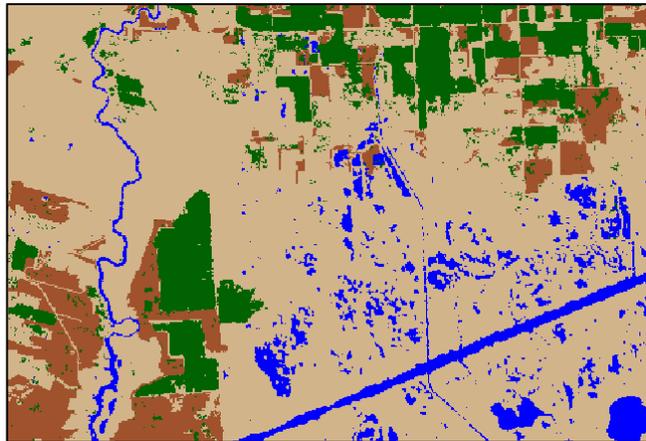


Copernicus Sentinel-1A Synthetic Aperture Radar (SAR)

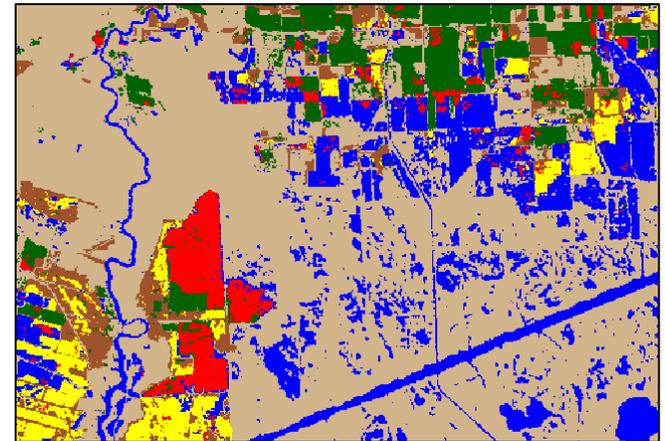
Water
Other



Post Flood: 7/16/19



Water
Cropland
Pasture Hay
Other
Inundated Cropland
Inundated Pasture/Hay



Example: Avoyelles Parish, Louisiana

Pre-Flood: 7/04/19

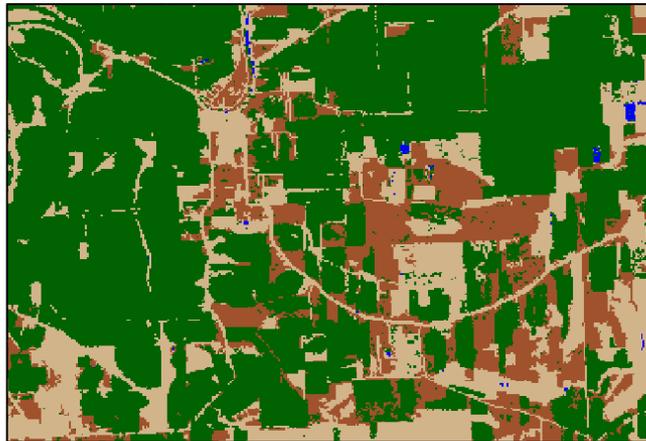


Copernicus Sentinel-1A Synthetic Aperture Radar (SAR)

Water
Other



Post Flood: 7/16/19



Water
Cropland
Pasture Hay
Other
Inundated Cropland
Inundated Pasture/Hay

